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FIG. 1A

1 GGTGGGTGGTAGAAAGTTTGGGCTCCCGCCCGTATCCACGCCATCGGCATAG
61 GAGGATATCCGCCCGCCCGGATCGGCATTGAATGGAACAGTGTCCTTGCCCCGC
121 CACCGCCACCATGAACAAGCTTTACATCGGCAACCTCAACGAGAGTGTGACCCCGCAGA
1 M N K L Y I G N L N E S V T P A D

181 CTTGGAGAAAGTATTCGGGAGCACAAGATCTCTACAGCGGCCAGTTCTTGTCAAATC
18 L E K V F A E H K I S Y S G Q F L V K S

241 CGGCTACGCCCTTCGTGGATTGCCCGACGAGCACTGGGCGATGAAGGCCATCGAACTTT
38 G Y A F V D C P D E H W A M K A I E T F

301 CTCGGGAAAGTAGAACTGCAAGGAAACGCTAGAGATTGAACACTCAGTCCCCAAAAA
58 S G K V E L Q G K R L E I E H S V P K K

361 ACAAGGAGTCGGAAATACAGATCCGCAATATCCACCTCAGCTCCGATGGGAAGTGCT
78 Q R S R K I Q I R N I P P Q L R W E V L

421 AGATAGCCTGCTGCTCAGTACGGTACAGTGGAGAACTGTGAGCAAGTGAACACTGAAAG
98 D S L L A Q Y G T V E N C E Q V N T E S

481 TGAGACAGCGGTGTCACCTACTCTAACGGGAGCAGACCAGGCAAGCTATCAT
118 E T A V V N V T Y S N R E Q T R Q A I M

541 GAAGCTAAATGGCCATCAACTGGAGAACCATGCCCTGAAGTCTCCTACATACCTGATGA
138 K L N G H Q L E N H A L K V S Y I P D E

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601 GCAGATAACAAGGTCCTGAGAAATGGGCGTCGTGGAGGCTTTGGGTCTCGGGCCAGCC
158 Q I T Q G P E N { R R G G F G S R G Q P

FIG. 1B

661 CCGGCAAGGTCGCCCGTGGCAGCAGGGCTCCAGCCAAGCAGCAGCCAGTGACATCCC
178 R Q G S P V A A G A P A K Q Q P V D I P

721 TCTCCGGCTCCTGGTGCCTACGCAGTATGTAGCGCTATCATTTGGCAAGGAGGTGCCAC
198 L R L L V P T Q Y V G A I I G K E G A T

781 CATCCGAAACATCACAAACAGACGCAGTCCAAATAGACGTGCATAGGAAGGAGAAATGC
218 I R N I T K Q T Q S K I D V H R K E N A

841 GGGCGCTGCGGAGAAGGCCATCAGCGTGCTTCAACCCCTGAAGGCTGCTCCTCCGCTG
238 G A A E K A I S V H S T P E G C S S A C

901 CAAGATGATCTTGGAGATTATGCACAAGGAGGCAAGGACACCAAAACGGCAGATGAAGT
258 K M I L E I M H K E A K D T K T A D E V

961 TCCCCTGAAGATCCTGGCTCATAACAACCTTCGTGCGGCGACTCATTTGCAAGGAAGGCCG
278 P L K I L A H N N F V G R L I G K E G R

1021 GAACCTGAAGAAGTGGAGCAGGACACAGAGACGAAGATCACCATCTCATCGCTCCAGGA
298 N L K K V E Q D T E T K I T I S S L Q D

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1081 CCTCAGCTCTATAACCTGAGAGGACCATCACTGTGAAGGGCCCATGAGAACTGTTG
318 L T L Y N P E R T I T V K G A I E N C C

FIG. 1C

1141 CAGGGCCGAGCAGGAGATCATGAAGAAAGTTCGAGAGGCTTACGAGAACGACGTGGCCGC
338 R A E Q E I M K K V R E A Y E N D V A A

1201 CATGAGCTTGAGTCCACCTCATCCCTGGGCTTAACCTGGCTGCTGTAGTCTCTTCCC
358 M S L Q S H L I P G L N L A A V G L F P

1261 AGCTTCATCCAGCGCTGTCCCTCCTCCAGCAGTGCTCACTGGGCTGCTCCCTATAG
378 A S S S A V P P P S S V T G A A P Y S

1321 CTCCTTCATGCAGGCTCCGGAGCAGGAGATGGTACAAGTGTCAATCCCGCCAGGCTGT
398 S F M Q A P E Q E M V Q V F I P A Q A V

1381 GGGCGCCATCATTTGGCAAGAGGGCCAGCACATCAAACTCTCCGTTTCGCCAGCGC
418 G A I I G K K G Q H I K Q L S R F A S A

1441 CTCCATCAAGATTGCTCCACCAGAAACACCTGACTCCAAAGTTCGAATGGTGTGTCATCAC
438 S I K I A P P E T P D S K V R M V V I T

1501 TGGACCCCGAGGCTCAGTTCAAGGCTCAGGGAAGATTATGGCAAACTAAAAGAAGA
458 G P P E A Q F K A Q G R I Y G K L K E E

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1561 GAATTCTTGGTCCCAAGGAGGAAGTAAGCTAGAGACCCACATACGGTTCGGCTTC
478 N F F G P K E E V K L E T H I R V P A S

FIG. 1D

1621 AGCAGCCGGCGTCAATCGGCAAGCGGCAAAACGGTGAATGAGCTGCAGAACTTGAC
498 A A G R V I G K G K T V N E L Q N L T

1681 TGCAGCTGAGGTGGTAGTGCCAAGAGACCCCGGATGAGAACGACCAAGTCATTGT
518 A A E V V V P R D Q T P D E N D Q V I V

1741 TAAGATCATCGGACATTTCTATGCCAGCCAGATGGCTCAGCGGAAGATCCGAGACATCCT
538 K I I G H F Y A S Q M A Q R K I R D I L

1801 GGCTCAAGTTAAGCAACAGCACAGAGGACAGAGCAACCTGGCCAGGCACGGAGGAA
558 A Q V K Q Q H Q K G Q S N L A Q A R R K

1861 GTGACCCCGCCCTCCTGTCCCATTTGGCTCCAAGATCAGCAGGAGGAACACAGAACTGG
578 *

1921 AGGGGGGGTGGAGGGCCGGTGTTTTCAGCAGGCCCTGAGAAATGAGTGGGAATCAG
1981 GGCATTGGCCCTGGCTGGAGATCAGGTTTGACACTGTATTGAGAAACAATGTCCAGTG
2041 AGGAATCCTGATCTCTGCCCCCAATTGAGCCAGCTGGCCACAGCCACCCCTTGGAATA
2101 TCACCATTCGAATCATAGCTTGGGTGCTTTAAACGTGGATTGTCTTGAAGTCTCCAG
2161 CCTCCATGGAAGGATGGTCAGATCCCAGTGGGGAAGAGAAATAAAATTCCTTCAGGTT
2221 TTAT

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mCRD-BP
hKOC
hnRNPK
Fibrillarin
Nucleolin
FMRP

R	R	G	G	F	G	S	R	G	Q	P	-	R	Q	G
G	R	R	G	L	G	Q	R	G	S	S	-	R	Q	G
G	R	G	G	F	-	D	R	M	P	P	G	R	G	G
G	R	G	G	F	G	D	R	G	G	-	-	R	G	G
G	R	G	G	F	G	G	R	G	G	-	G	R	G	G
L	R	R	G	D	G	R	R	R	G	G	G	G	R	G

FIG. 2A

Consensus:

G R G G F G R G G G R G G
R Q

mCRD-BP
hKOC
FMRP
mCRD-BP
hKOC
REV

Q	L	R	-	W	E	V	L	D	S	L	L
H	L	Q	-	W	E	V	L	D	S	L	L
Q	L	R	-	L	E	R	L	Q	-	I	D
T	I	S	S	L	Q	D	L	T	-	L	Y
T	I	S	P	L	Q	E	L	T	-	L	Y
Q	L	P	P	L	E	R	L	T	-	L	D

FIG. 2B

Consensus:

Q L L E L T L
T I W Q D I

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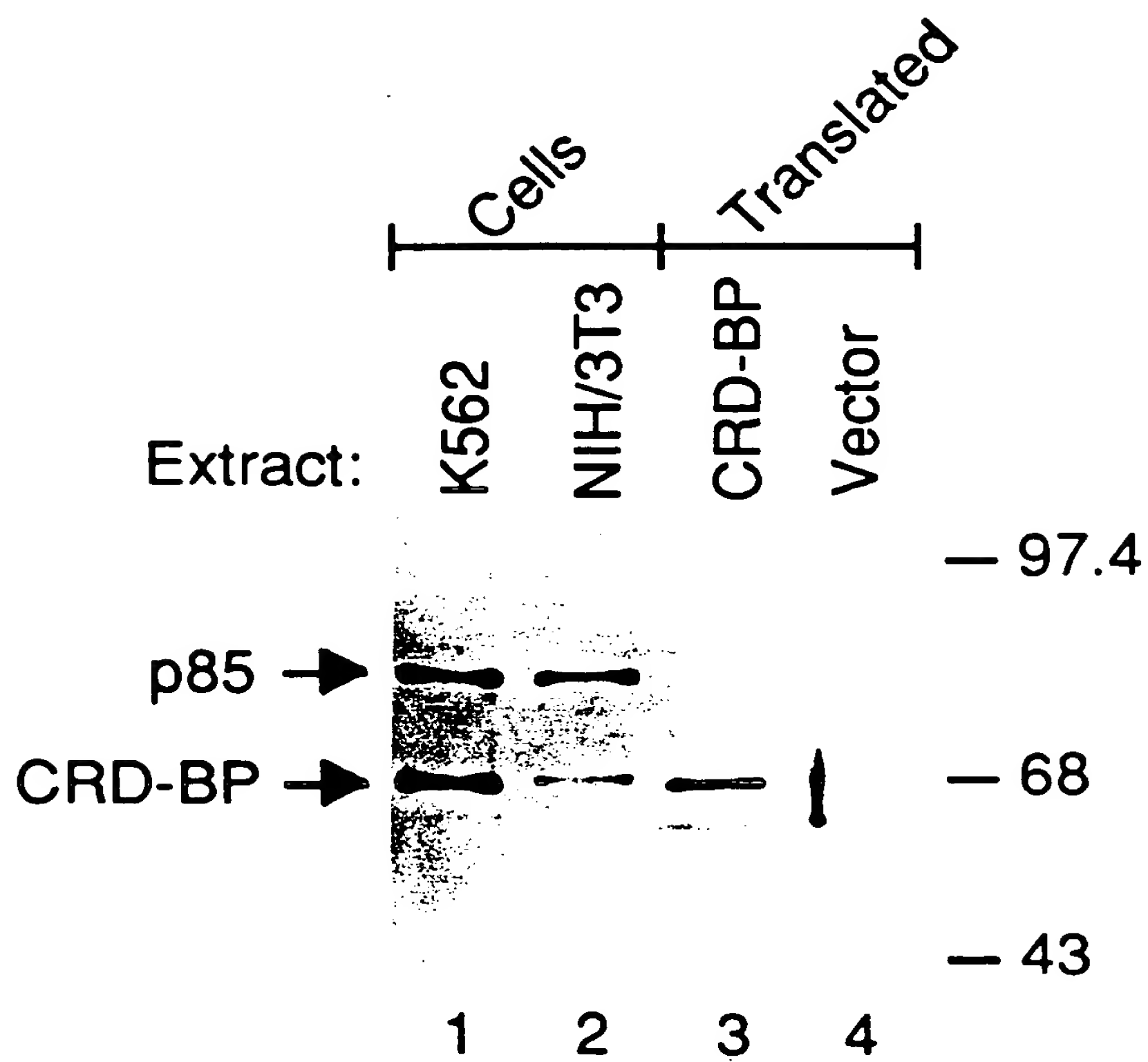


FIG. 3

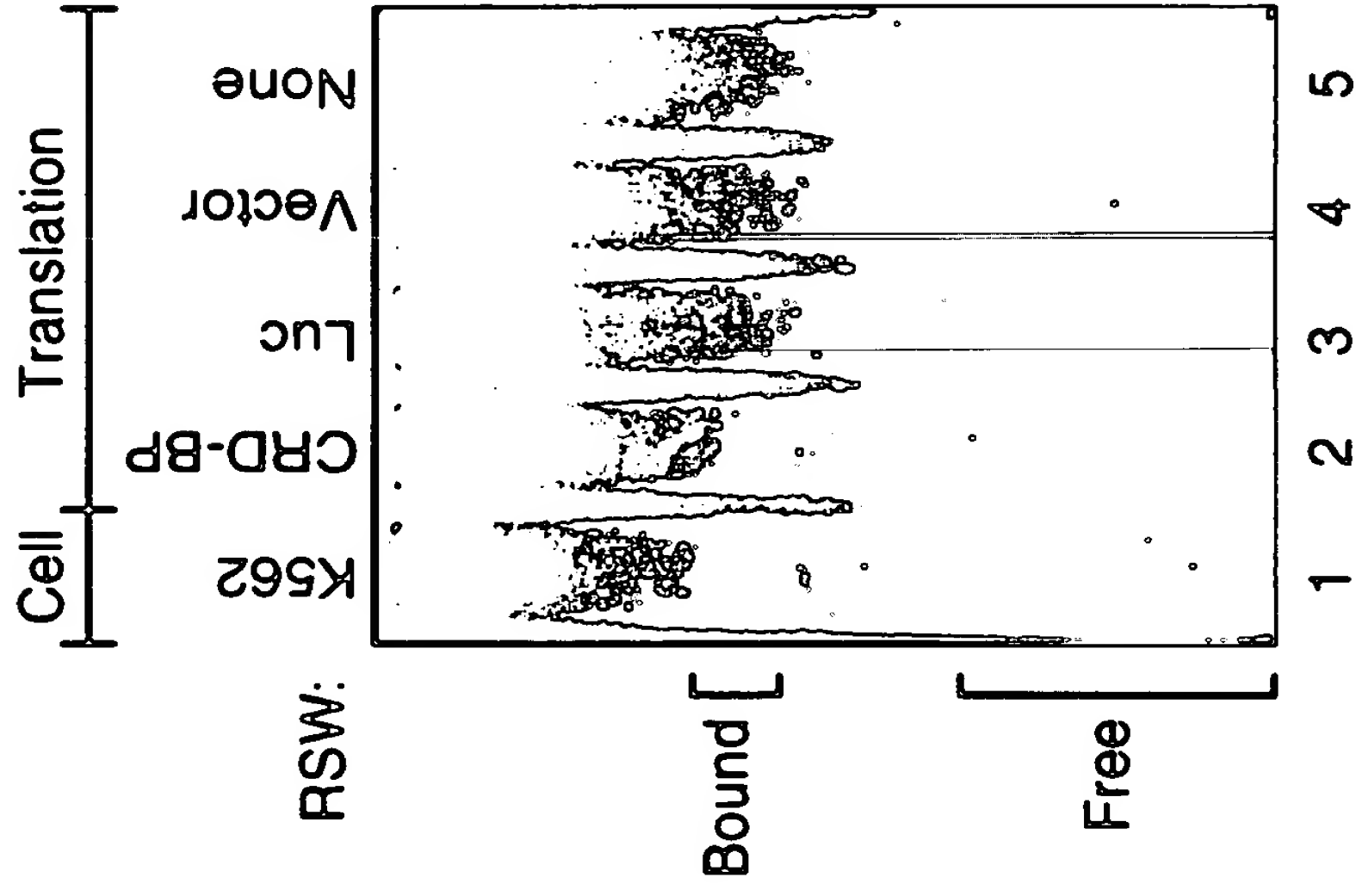


FIG. 4A

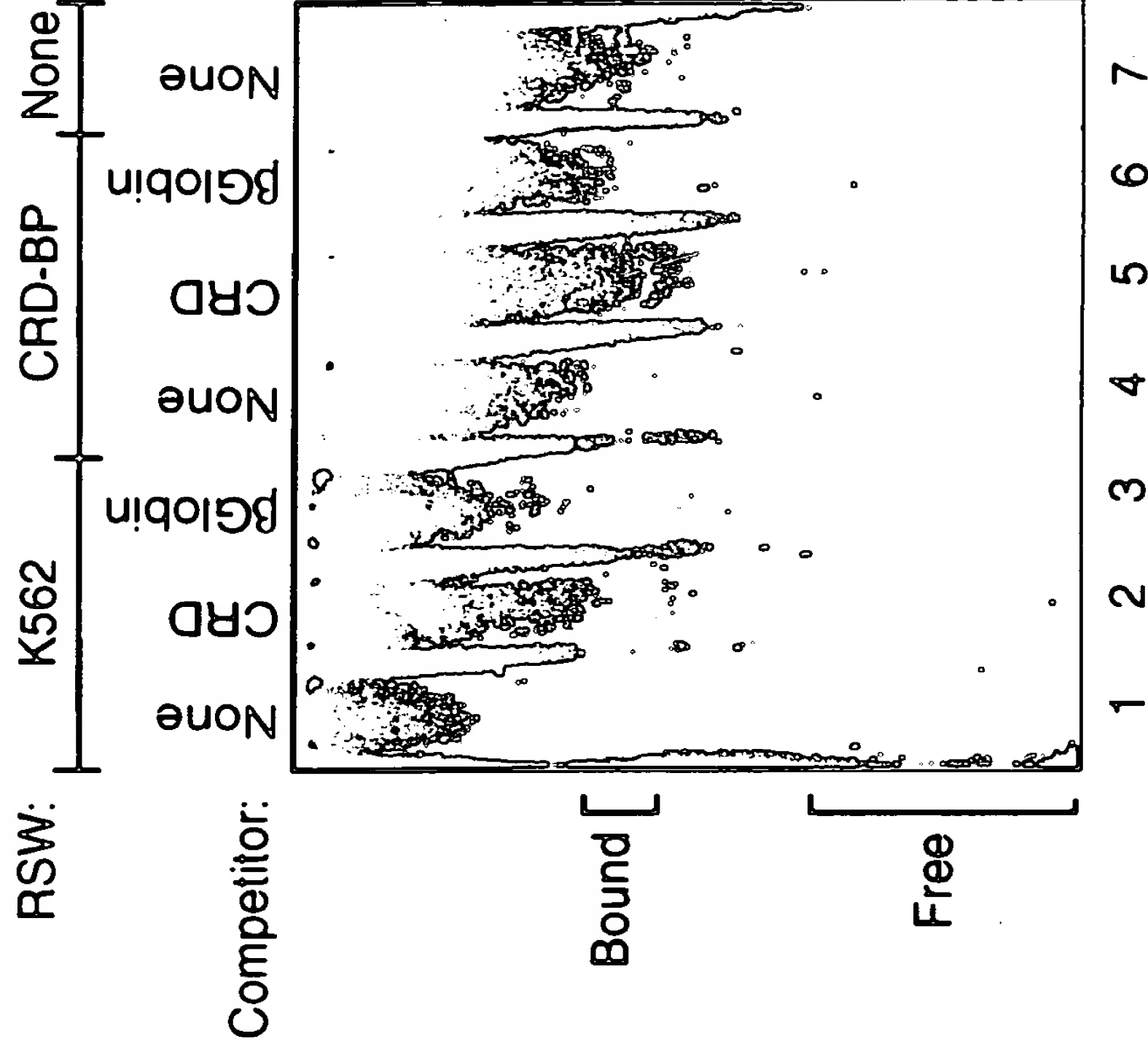


FIG. 4B

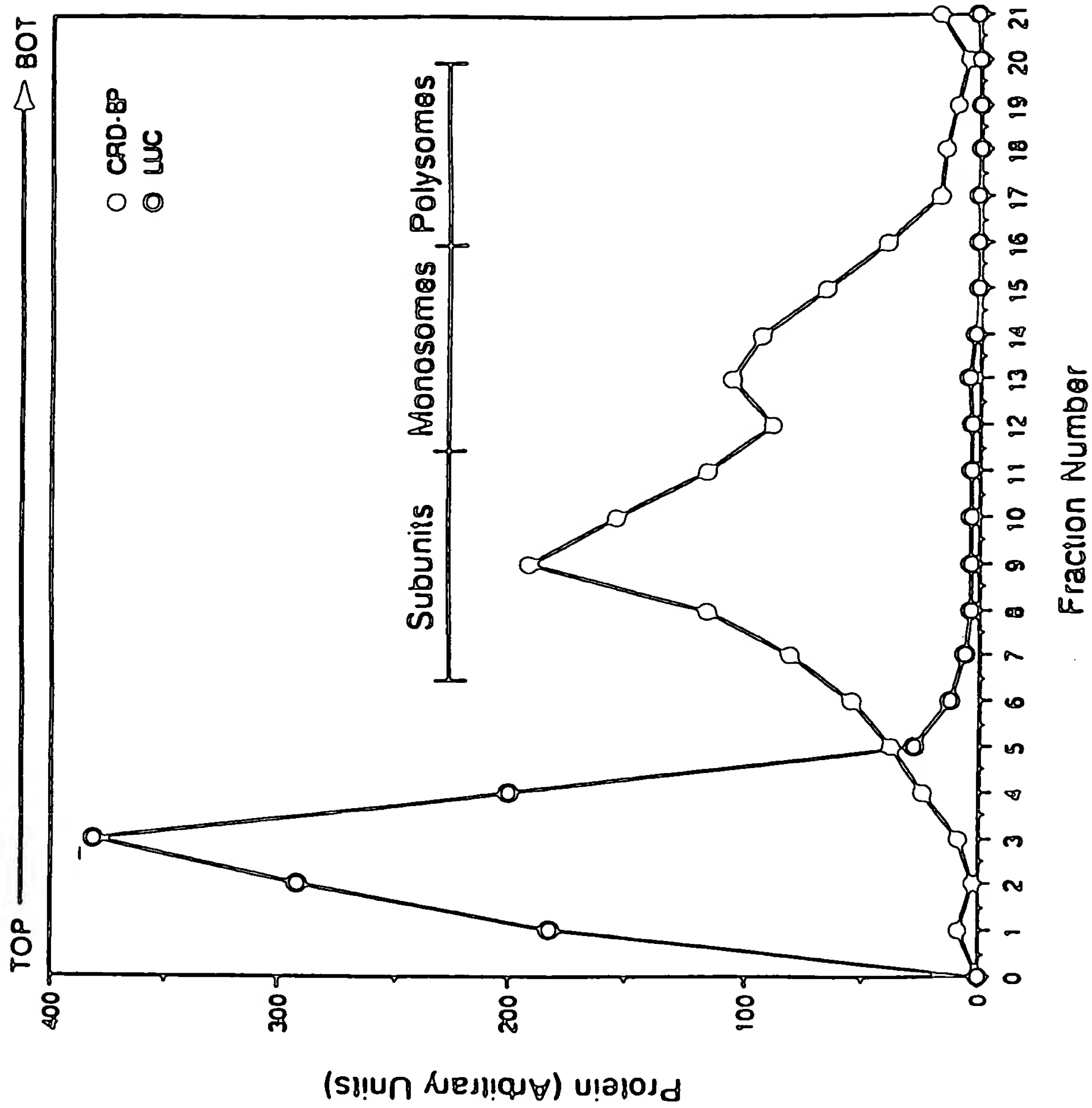
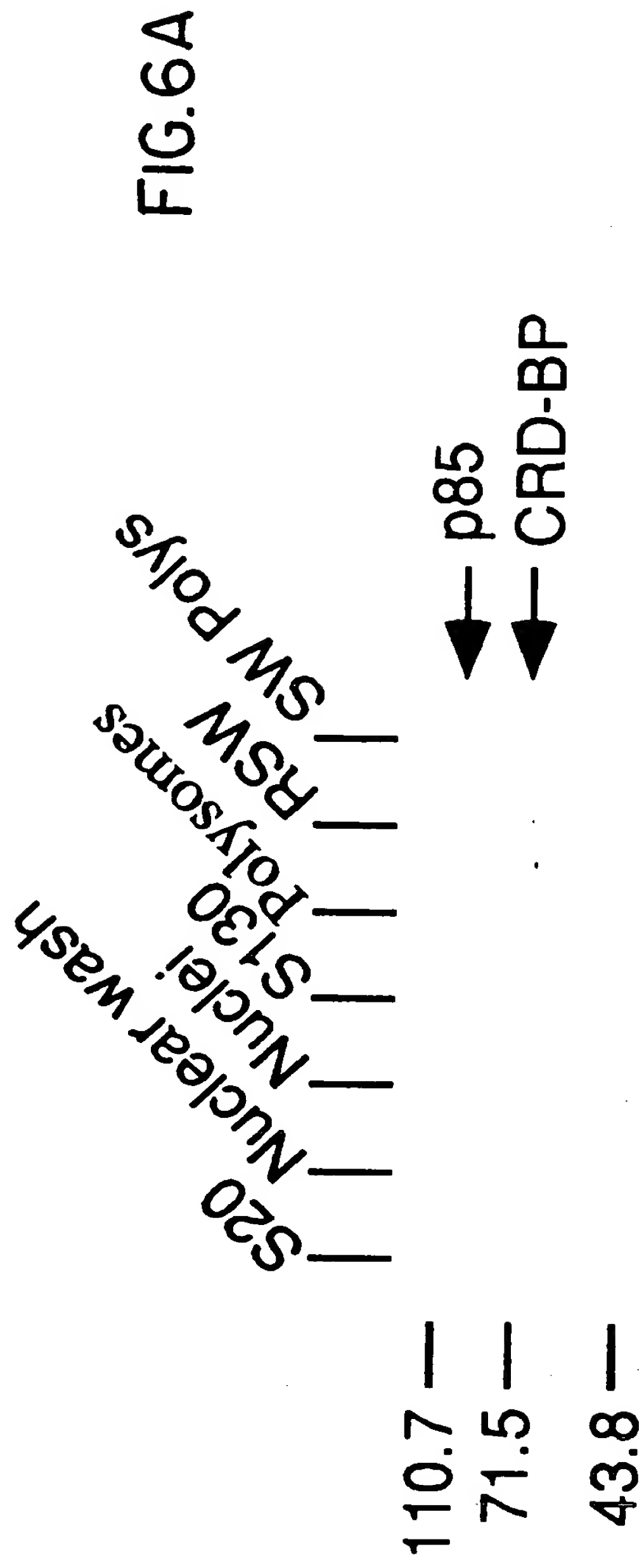


FIG. 5

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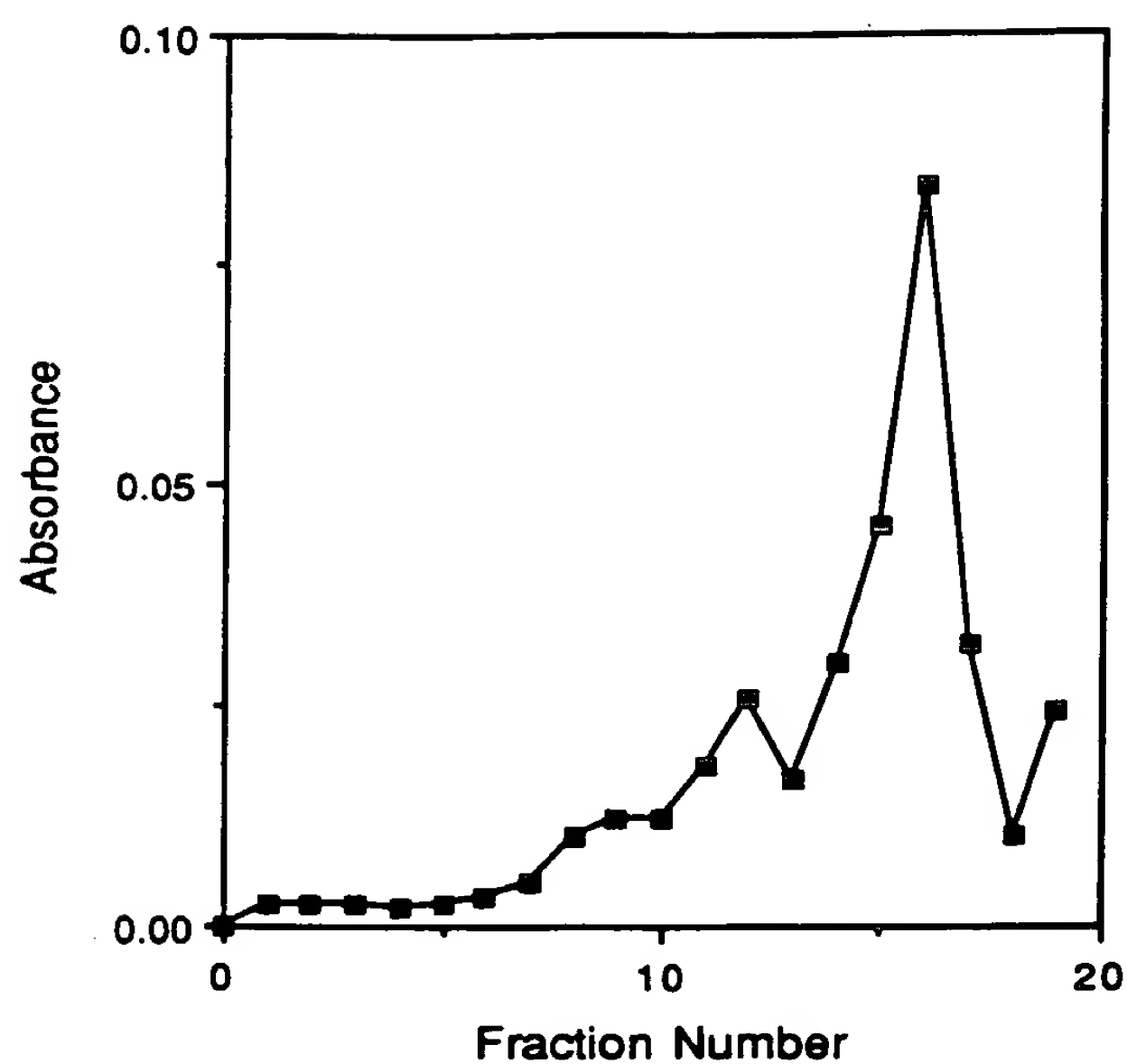


FIG. 7A

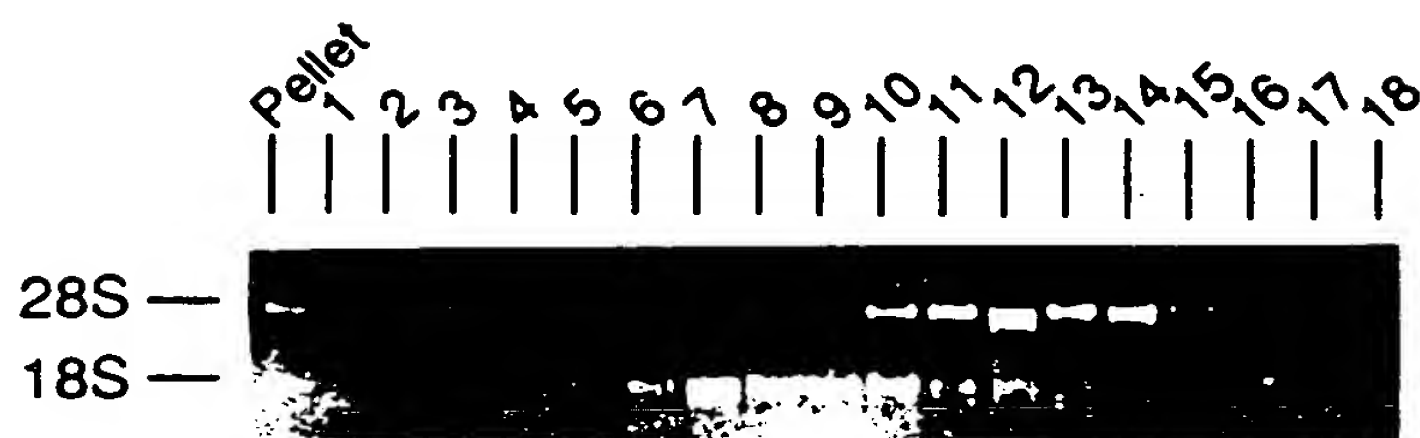


FIG. 7B

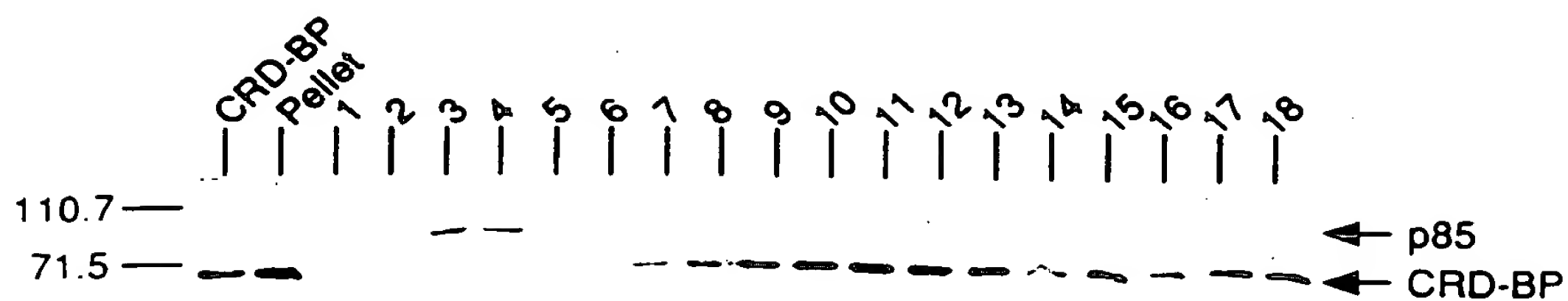


FIG. 7C

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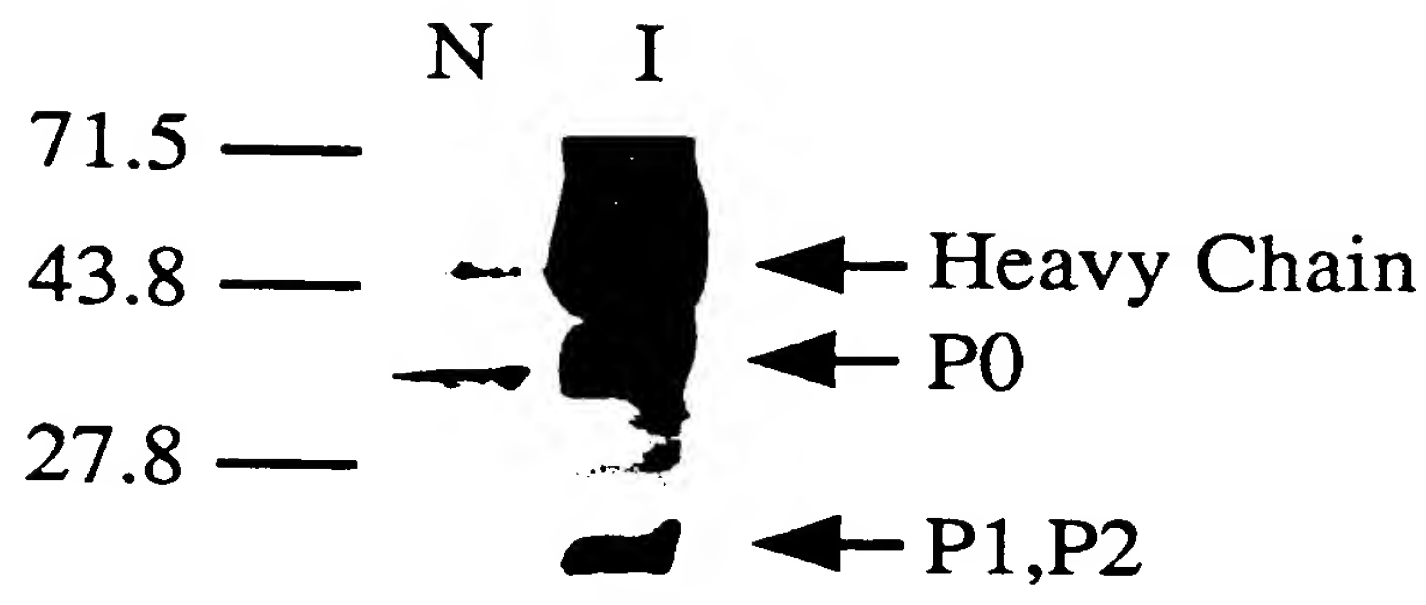


FIG. 8A

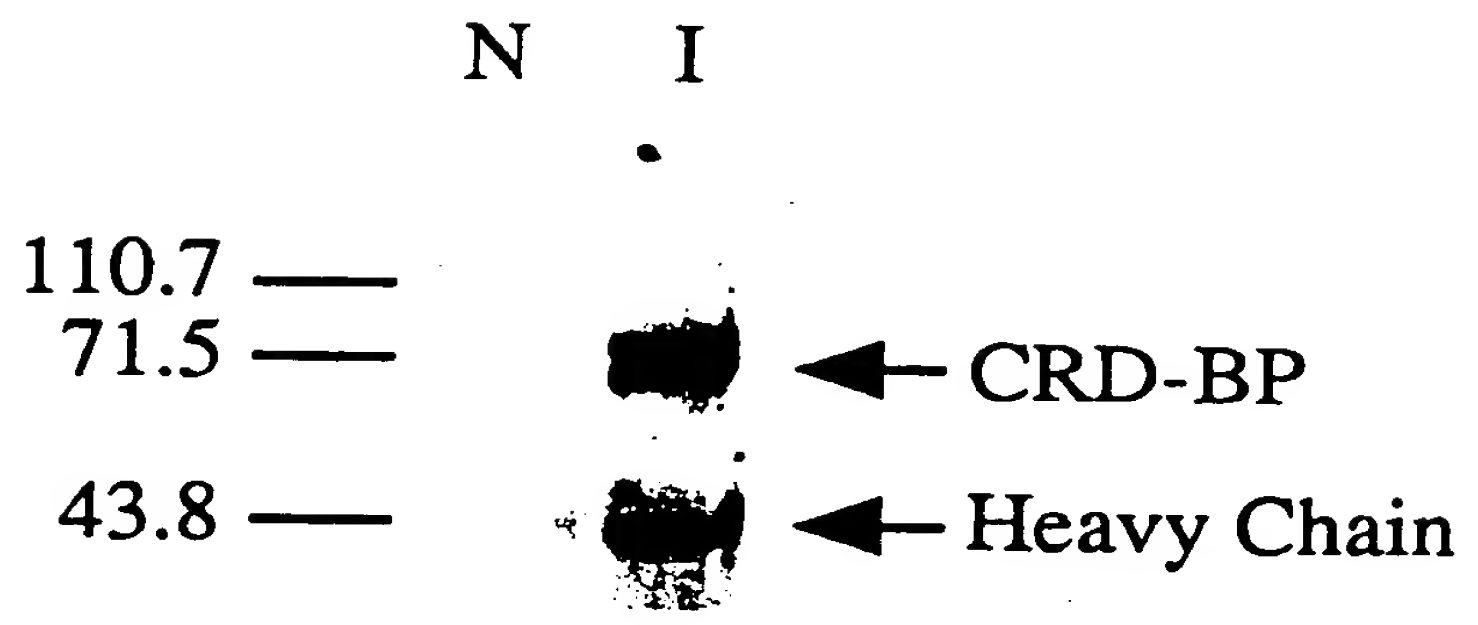


FIG. 8B